



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REVOCATION AND NEW POWER OF ATTORNEY

Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned, Nokia Networks Oy, is the assignee of the entire right, title and interest of the issued U.S. patents and pending patent applications identified in the attached appendix, by virtue of properly recorded assignment, from the inventors. The Assignments were recorded in the United States Patent & Trademark Office the reel and frame numbers as indicated. The assignee, through the undersigned representative, hereby revokes any and all powers of attorney heretofore granted and hereby appoints the firm of:



32294

PATENT TRADEMARK OFFICE

Customer Number 32294
SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Tysons Corner, Virginia 22182-2700
Telephone: 703-720-7800
Fax: 703-720-7802

RECEIVED

JUL 10 2003

Technology Center 2100

and individually the partners and associates thereof:


Douglas H. Goldhush, Reg. No. 33,125; Kevin F. Turner, Reg. No. 43,437;
Dinnatia J. Doster, Reg. No. 45,268; Sam Huang, Reg. No. 48,430; Rhonda L.
Barton, Reg. No. 47,271; Marc A. Sockol, Reg. No. 40,823; Vidya R. Bhakar,
Reg. No. 42,323; Daryl C. Josephson, Reg. No. 37,365; Cameron Kerrigan,

Reg. No. 44,826; David B. Abel, Reg. No. 32,394; Nathan Lane, Reg. No. 43,738; Lorinda Howland, Reg. No. 42,671; Michael Lechter, Reg. No. 27,350; David Rogers, Reg. No. 38,287; William Bachand, Reg. No. 34,980; Aaron Wininger, Reg. No. 45,229; Paul A. Durdik, Reg. No. 37,819; Paul J. Meyer 47,791; David A. Levine, Reg. No. 48,821; Victor Repkin, Reg. No. 45,039; and Victoria L. Nicholson, Reg. No. 47,823.

as attorneys to prosecute the applications and to transact all business in the Patent and Trademark Office connected therewith, and with the issued patents. It is respectfully requested that the records of the United States Patent & Trademark Office be updated to reflect this information, and that all correspondence be sent to the address indicated above.

NOKIA NETWORKS OY

Date: 2.1.2005

By: 
(Signature)

Jarmo Lehtinen
(Name)

IPR Manager
(Title)

APPENDIX

SSD Case No.	Assignee	Application No.	Filing Date	Patent No.	Issue Date	Reel/Frame	Recordation Date
5964300028	Nokia Networks OY	09/544,667	06-Apr-2000			011030/0497	01-Aug-2000
5964300029	Nokia Networks OY	09/625,260	25-Jul-2000			011004/0179	25-Jul-2000
5964300030	Nokia Networks OY	09/777,751	05-Feb-2001			011702/0334	16-Apr-2001
5964300031	Nokia Networks OY	09/612,762	10-Jul-2000			010954/0508	10-Jul-2000
5964300038	Nokia Networks OY	09/536,213	27-Mar-2000			011025/0134	31-Jul-2000
5964300039	Nokia Networks OY	09/956,735	11-Sep-2001			012194/0674	11-Sep-2001
5964300040	Nokia Networks OY	09/721,363	22-Nov-2000			011334/0610	22-Nov-2000
5964300041	Nokia Networks OY	09/812,191	19-Mar-2001			011940/0705	02-Jul-2001
5964300043	Nokia Networks OY	09/506,538	17-Feb-2000			010933/0096	27-Jun-2000
5964300044	Nokia Networks OY	09/474,606	29-Dec-1999			10739/0028	06-Apr-2000
5964300045	Nokia Networks OY	09/767,290	19-Jan-2001			011727/0320	16-Apr-2001
5964300046	Nokia Networks OY	09/454,365	03-Dec-1999	6,487,411	26-Nov-2002	012183/0827	06-Nov-2000
5964300047	Nokia Networks OY	09/490,797	26-Jan-2000			010833/0714	16-May-2000
5964300048	Nokia Networks OY	09/450,367	29-Nov-1999	6,477,207	05-Nov-2002	010660/0148	13-Mar-2000
5964300049	Nokia Networks OY	09/521,760	09-Mar-2000			010940/0043	18-Jul-2000
5964300051	Nokia Networks OY	09/641,285	17-Aug-2000			011331/0430	27-Nov-2000
5964300052	Nokia Networks OY	09/626,023	27-Jul-2000			01147/0879	13-Nov-2000
5964300053	Nokia Networks OY	09/724,339	28-Nov-2000			011329/0358	28-Nov-2000
5964300055	Nokia Networks OY	09/708,103	03-Nov-2000			011527/0463	15-Feb-2001
5964300056	Nokia Networks OY	09/749,161	27-Dec-2000			011611/0814	07-Mar-2001
5964300057	Nokia Networks OY	09/748,220	27-Dec-2000			011676/0625	02-Apr-2001
5964300058	Nokia Networks OY	09/765,144	18-Jan-2001			011758/0099	27-Apr-2001
5964300059	Nokia Networks OY	09/838,818	19-Apr-2001			012006/0965	24-Jul-2001
5964300060	Nokia Networks OY	09/871,841	01-Jun-2001			012254/0618	09-Oct-2001
5964300061	Nokia Networks OY	09/874,823	05-Jun-2001			012249/0490	10-Oct-2001
5964300062	Nokia Networks OY	09/878,861	11-Jun-2001			012249/0644	09-Oct-2001
5964300063	Nokia Networks OY	09/875,335	06-Jun-2001			012245/0547	09-Oct-2001
5964300064	Nokia Networks OY	09/739,030	13-Dec-2000			012135/0329	04-Sep-2001
5964300065	Nokia Networks OY	09/792,682	23-Feb-2001			Unknown	11-Jul-2001
5964300066	Nokia Networks OY	09/881,395	14-Jun-2001			012277/0074	16-Oct-2001
5964300067	Nokia Networks OY	09/887,481	22-Jun-2001			012267/0826	15-Oct-2001
5964300068	Nokia Networks OY	09/893,792	28-Jun-2001			012424/0332	03-Jan-2002
5964300072	Nokia Networks OY	09/975,410	10-Oct-2001			012256/0745	10-Oct-2001
5964300073	Nokia Networks OY	09/942,315	29-Aug-2001			012544/0283	24-Jan-2002

5964300075	Nokia Networks OY	09/924,863	08-Aug-2001			012446/0493	04-Jan-2002
5964300076	Nokia Networks OY	09/927,601	10-Aug-2001			012515/0769	18-Jan-2002
5964300077	Nokia Networks OY	09/913,194	09-Aug-2001			012649/0886	11-Feb-2002
5964300079	Nokia Networks OY	09/418,138	14-Oct-1999			010529/0893	22-Dec-1999
5964300080	Nokia Networks OY	09/421,057	19-Oct-1999	6,487,410	26-Nov-2002	010498/0866	16-Dec-1999
5964300081	Nokia Networks OY	09/436,450	08-Nov-1999			010638/0623	29-Feb-2000
5964300082	Nokia Networks OY	09/628,868	12-Nov-1999			010394/0452	12-Nov-1999
5964300083	Nokia Networks OY	09/464,944	16-Dec-1999			010700/0092	20-Mar-2000
5964300084	Nokia Networks OY	09/458,933	10-Dec-1999			010743/0399	03-Apr-2000
5964300085	Nokia Networks OY	09/480,100	10-Jan-2000			010735/0197	04-Apr-2000
5964300086	Nokia Networks OY	09/480,235	10-Jan-2000			010735/0429	10-Apr-2000
5964300087	Nokia Networks OY	09/510,893	23-Feb-2000			010959/0404	12-Jul-2000
5964300088	Nokia Networks OY	09/504,996	15-Feb-2000			010833/0712	15-May-2000
5964300089	Nokia Networks OY	09/512,120	24-Feb-2000			010633/0362	24-Feb-2000
5964300090	Nokia Networks OY	09/522,700	10-Mar-2000			011215/0510	30-Oct-2000
5964300091	Nokia Networks OY	09/594,334	15-Jun-2000			011078/0329	05-Sep-2000
5964300092	Nokia Networks OY	09/544,668	06-Apr-2000			011259/0086	28-Dec-2000
5964300093	Nokia Networks OY	09/559,842	26-Apr-2000			011065/0164	25-Aug-2000
5964300094	Nokia Networks OY	09/559,838	26-Apr-2000			011066/0121	28-Aug-2000
5964300095	Nokia Networks OY	09/571,572	17-May-2000			011152/0179	10-Oct-2000
5964300096	Nokia Networks OY	09/595,396	14-Jun-2000			011412/0796	02-Oct-2000
5964300097	Nokia Networks OY	09/588,954	07-Jun-2000			011140/0392	25-Sep-2000
5964300098	Nokia Networks OY	09/604,501	27-Jun-2000			010925/0687	27-Jun-2000
5964300099	Nokia Networks OY	09/631,078	02-Aug-2000			011515/0942	12-Feb-2001
5964300100	Nokia Networks OY	09/616,313	17-Jul-2000			010967/0598	17-Jul-2000
5964300101	Nokia Networks OY	09/625,346	25-Jul-2000			011004/0175	25-Jul-2000
5964300102	Nokia Networks OY	09/625,344	25-Jul-2000			011004/0177	25-Jul-2000
5964300103	Nokia Networks OY	09/625,114	25-Jul-2000			011004/0213	25-Jul-2000
5964300104	Nokia Networks OY	09/625,115	25-Jul-2000			011004/0268	25-Jul-2000
5964300105	Nokia Networks OY	09/623,928	08-Sep-2000			011631/0053	19-Mar-2001
5964300107	Nokia Networks OY	09/660,668	13-Sep-2000			011331/0298	27-Nov-2000
5964300108	Nokia Networks OY	09/660,133	12-Sep-2000			011317/0904	20-Nov-2000
5964300109	Nokia Networks OY	09/698,881	27-Oct-2000			011268/0615	27-Oct-2000
5964300110	Nokia Networks OY	09/679,476	04-Oct-2000			011341/0079	05-Dec-2000
5964300111	Nokia Networks OY	09/679,472	04-Oct-2000			011399/0715	26-Dec-2000



5964300112	Nokia Networks OY	09/704,208	01-Nov-2000			011596/0135	02-Mar-2001
5964300113	Nokia Networks OY	09/706,021	03-Nov-2000			011282/0694	03-Nov-2000
5964300114	Nokia Networks OY	09/751,138	29-Dec-2000			011608/0871	12-Mar-2001
5964300115	Nokia Networks OY	09/795,379	28-Feb-2001			011676/0618	02-Apr-2001
5964300116	Nokia Networks OY	09/819,022	26-Mar-2001			011978/0040	29-Jun-2001
5964300117	Nokia Networks OY	09/817,886	26-Mar-2001			011662/0356	26-Mar-2001
5964300118	Nokia Networks OY	09/837,962	17-Apr-2001			011734/0033	17-Apr-2001
5964300119	Nokia Networks OY	09/842,490	25-Apr-2001			011761/0434	25-Apr-2001
5964300120	Nokia Networks OY	09/871,862	01-Jun-2001			012216/0254	02-Oct-2001
5964300122	Nokia Networks OY	09/876,421	04-Jun-2001			012242/0235	09-Oct-2001
5964300123	Nokia Networks OY	09/885,387	20-Jun-2001			012274/0048	15-Oct-2001
5964300125	Nokia Networks OY	09/882,949	15-Jun-2001			012277/0147	16-Oct-2001
5964300126	Nokia Networks OY	09/908,186	18-Jul-2001			012398/0890	22-Oct-2001
5964300128	Nokia Networks OY	09/909,039	19-Jul-2001			012408/0268	31-Dec-2001
5964300129	Nokia Networks OY	09/953,392	12-Sep-2001			012179/0077	12-Sep-2001
5964300133	Nokia Networks OY	09/978,981	15-Oct-2001			012274/0640	15-Oct-2001
5964300154	Nokia Networks OY	09/591,679	09-Jun-2000			011105/0954	21-Sep-2000
5964300155	Nokia Networks OY	09/600,951	19-Jul-2000			011005/0403	19-Jul-2000
5964300156	Nokia Networks OY	09/711,673	09-Nov-2000			012458/0301	09-Jan-2002
5964300159	Nokia Networks OY	09/528,796	16-Mar-2000	6,501,948	31-Dec-2002	010940/0090	18-Jul-2000
5964300161	Nokia Networks OY	09/835,427	06-Apr-2001			011998/0819	16-Jul-2001
5964300162	Nokia Networks OY	09/879,566	12-Jun-2001			012249/0381	09-Oct-2001
5964300163	Nokia Networks OY	09/891,732	26-Jun-2001	6,501,575	31-Dec-2002	012277/0076	16-Oct-2001
5964300183	Nokia Networks OY	09/871,455	31-May-2001			012254/0625	09-Oct-2001
5964300184	Nokia Networks OY	09/871,456	31-May-2001			012246/0917	10-Oct-2001
5964300185	Nokia Networks OY	09/626,643	27-Jul-2000			011233/0397	01-Nov-2000
5964300186	Nokia Networks OY	09/510,611	22-Feb-2000			010954/0175	22-Jun-2000
5964300187	Nokia Networks OY	09/456,658	09-Dec-1999			010683/0213	17-Mar-2000
5964300188	Nokia Networks OY	09/491,524	26-Jan-2000			011065/0152	25-Aug-2000
5964300189	Nokia Networks OY	09/516,971	29-Feb-2000			011080/0811	08-Sep-2000
5964300190	Nokia Networks OY	09/593,651	13-Jun-2000			010897/0656	13-Jun-2000
5964300191	Nokia Networks OY	09/590,562	09-Jun-2000			010870/0312	09-Jun-2000
5964300192	Nokia Networks OY	09/580,753	30-May-2000			010834/0820	30-May-2000
5964300197	Nokia Networks OY	09/967,261	28-Sep-2001			012416/0714	03-Jan-2002
5964300198	Nokia Networks OY	09/923,845	07-Aug-2001			012491/0434	16-Jan-2002



5964300199	Nokia Networks OY	09/913,576	13-Aug-2001			012265/0186	13-Aug-2001
5964300203	Nokia Networks OY	09/449,578	29-Nov-1999			010665/0696	25-Feb-2000
5986400011	Nokia Networks OY	09/430,938	01-Nov-1999			010363/0245	01-Nov-1999
5986400013	Nokia Networks OY	09/408,567	29-Sep-1999			010701/0385	17-Mar-2000
5986400015	Nokia Networks OY	09/396,807	14-Sep-1999			010449/0264	16-Dec-1999
5986400017	Nokia Networks OY	09/391,119	07-Sep-1999			010457/0820	10-Dec-1999
5986400018	Nokia Networks OY	09/390,910	07-Sep-1999			010429/0382	29-Nov-1999
5986400088	Nokia Networks OY	09/377,263	19-Aug-1999			010348/0446	01-Nov-1999
5986400089	Nokia Networks OY	09/449,575	29-Nov-1999			010427/0668	29-Nov-1999
5986400091	Nokia Networks OY	09/364,523	30-Jul-1999			011000/0521	26-Jul-2000
6009100011	Nokia Networks OY	09/592,156	12-Jun-2000			011105/0873	21-Sep-2000
6009100012	Nokia Networks OY	09/603,018	26-Jun-2000			011175/0570	13-Oct-2000
6009100013	Nokia Networks OY	09/606,635	29-Jun-2000			010932/0931	29-Jun-2000
6009100014	Nokia Networks OY	09/609,339	05-Jul-2000			010948/0664	05-Jul-2000
6009100015	Nokia Networks OY	09/617,661	17-Jul-2000			011336/0720	20-Nov-2000
6009100016	Nokia Networks OY	09/638,463	14-Aug-2000			011235/0702	02-Nov-2000
6009100017	Nokia Networks OY	09/627,526	28-Jul-2000			011191/0119	16-Oct-2000
6009100018	Nokia Networks OY	09/638,458	14-Aug-2000			011303/0145	30-Oct-2000
6009100019	Nokia Networks OY	09/654,986	05-Sep-2000			011244/0527	03-Nov-2000
6009100020	Nokia Networks OY	10/200,930	23-Jul-2002			011421/0363	29-Sep-2000
6009100021	Nokia Networks OY	09/668,315	22-Sep-2000			011110/0275	22-Sep-2000
6009100022	Nokia Networks OY	09/669,171	25-Sep-2000			011364/0872	04-Dec-2000
6009100023	Nokia Networks OY	09/677,193	02-Oct-2000			011462/0324	22-Jan-2001
6009100024	Nokia Networks OY	09/676,729	29-Sep-2000			011168/0362	29-Sep-2000
6009100025	Nokia Networks OY	09/697,961	27-Oct-2000			011269/0401	27-Oct-2000
6009100026	Nokia Networks OY	09/687,318	13-Oct-2000			011261/0503	13-Oct-2000
6009100027	Nokia Networks OY	09/702,587	31-Oct-2000			011270/0101	31-Oct-2000
6009100035	Nokia Networks OY	09/355,183	26-Aug-1999			010205/0817	30-Aug-1999
6009100038	Nokia Networks OY	09/380,405	08-Oct-1999			011041/0013	07-Aug-2000
6009100040	Nokia Networks OY	09/418,166	13-Oct-1999			010534/0730	10-Jan-2000
6009100043	Nokia Networks OY	09/420,077	18-Oct-1999			010328/0563	18-Oct-1999
6009100044	Nokia Networks OY	09/434,880	05-Nov-1999	6,490,704	03-Dec-2002	010376/0360	05-Nov-1999
6009100045	Nokia Networks OY	09/419,854	19-Oct-1999			010330/0925	19-Oct-1999
6009100046	Nokia Networks OY	09/439,187	12-Nov-1999			010396/0342	12-Nov-1999
6009100047	Nokia Networks OY	09/454,119	03-Dec-1999	6,473,622	29-Oct-2002	010688/0008	13-Mar-2000

6009100049	Nokia Networks OY	09/490,964	24-Jan-2000	6,480,715	12-Nov-2002	010552/0368	29-Jan-2000
6009100050	Nokia Networks OY	09/503,016	11-Feb-2000			010611/0678	11-Feb-2000
6009100051	Nokia Networks OY	09/501,070	09-Feb-2000			010603/0398	09-Feb-2000
6009100071	Nokia Networks OY	09/572,344	17-May-2000			010823/0042	17-May-2000
6009100072	Nokia Networks OY	09/572,151	17-May-2000			010821/0064	17-May-2000
6009100073	Nokia Networks OY	09/567,186	09-May-2000			010793/0187	09-May-2000
6009100074	Nokia Networks OY	09/567,070	08-May-2000			010801/0096	08-May-2000
6009100075	Nokia Networks OY	09/559,980	27-Apr-2000			010985/0289	24-Jul-2000
6009100076	Nokia Networks OY	09/559,840	26-Apr-2000			011036/0657	04-Aug-2000
6009100077	Nokia Networks OY	09/558,995	21-Apr-2000			010971/0586	24-Jul-2000
6009100079	Nokia Networks OY	09/539,013	30-Mar-2000			010955/0503	28-Jun-2000
6009100080	Nokia Networks OY	09/519,971	07-Mar-2000			010671/0034	07-Mar-2000
6009100081	Nokia Networks OY	09/516,966	28-Feb-2000			010933/0050	27-Jun-2000
6009100082	Nokia Networks OY	09/808,279	14-Mar-2001			011908/0921	19-Jun-2001
6009100083	Nokia Networks OY	09/744,417	22-Jan-2001			Unknown	09-Oct-2002
6009100084	Nokia Networks OY	09/739,094	13-Dec-2000			011669/0122	30-Mar-2001
6009100085	Nokia Networks OY	09/733,191	08-Dec-2000			011362/0176	08-Dec-2000
6009100086	Nokia Networks OY	09/705,032	02-Nov-2000			011274/0711	02-Nov-2000
6009100087	Nokia Networks OY	09/711,217	09-Nov-2000			011775/0212	07-May-2001
6009100088	Nokia Networks OY	09/702,922	27-Oct-2000			011272/0084	27-Oct-2000
6009100089	Nokia Networks OY	09/821,931	30-Mar-2001			011680/0235	30-Mar-2001
6009100090	Nokia Networks OY	09/836,903	17-Apr-2001			012001/0402	16-Jul-2001
6009100092	Nokia Networks OY	09/949,588	10-Sep-2001			012157/0974	10-Sep-2001
6009100093	Nokia Networks OY	09/913,969	20-Aug-2001			012218/0909	20-Aug-2001
6009100094	Nokia Networks OY	09/869,001	21-Jun-2001			012065/0786	21-Jun-2001
6009100095	Nokia Networks OY	09/881,335	14-Jun-2001			012173/0490	18-Sep-2001
6009100096	Nokia Networks OY	09/827,285	05-Apr-2001			011980/0809	13-Jul-2001
6009100109	Nokia Networks OY	09/547,521	12-Apr-2000			011087/0691	11-Sep-2000
6009100116	Nokia Networks OY	09/591,595	09-Jun-2000			011803/0320	17-May-2001
6009100117	Nokia Networks OY	09/568,927	11-May-2000			010806/0538	11-May-2000
6009100140	Nokia Networks OY	09/603,058	26-Jun-2000	6,366,955	02-Apr-2002	011131/0640	25-Sep-2000
6009100141	Nokia Networks OY	09/603,084	26-Jun-2000	6,411,809	25-Jun-2002	011139/0860	25-Sep-2000
6009100145	Nokia Networks OY	09/596,450	19-Jun-2000			011192/0032	20-Oct-2000
6009100146	Nokia Networks OY	09/603,936	27-Jun-2000			010924/0972	27-Jun-2000
6009100152	Nokia Networks OY	09/860,359	18-May-2001			012082/0697	13-Aug-2001



6009100153	Nokia Networks OY	09/708,402	08-Nov-2000			011315/0307	08-Nov-2000
6009100154	Nokia Networks OY	09/864,534	24-May-2001			012155/0291	10-Sep-2001
6009100155	Nokia Networks OY	09/439,536	12-Nov-1999			010394/0102	12-Nov-1999
6009100156	Nokia Networks OY	09/703,691	01-Nov-2000	6,511,234	28-Jan-2003	011274/0388	01-Nov-2000
6009100157	Nokia Networks OY	09/527,979	17-Mar-2000			010955/0487	28-Jun-2000
6009100158	Nokia Networks OY	09/436,102	08-Nov-1999			010378/0465	08-Nov-1999
6009100160	Nokia Networks OY	09/657,219	07-Sep-2000	6,438,185	20-Aug-2002	011090/0888	07-Sep-2000
6027900011	Nokia Networks OY	09/540,804	31-Mar-2000	6,494,252	17-Dec-2002	Unknown	21-Oct-2002
6027900012	Nokia Networks OY	09/591,907	16-May-2000			010899/0338	12-Jun-2000
6027900016	Nokia Networks OY	09/611,406	06-Jul-2000			011189/0274	19-Oct-2000
6028200002	Nokia Networks OY	09/912,934	25-Jul-2001			012439/0375	09-Jan-2002
6028200003	Nokia Networks OY	09/809,808	16-Mar-2001			011880/0233	11-Jun-2001
6028200005	Nokia Networks OY	09/423,373	04-Feb-2000			010600/0598	09-Feb-2000
6028200006	Nokia Networks OY	09/753,483	03-Jan-2001			011669/0093	30-Mar-2001
6028200007	Nokia Networks OY	09/567,146	09-May-2000			011066/0123	28-Aug-2000
6028200008	Nokia Networks OY	09/602,374	23-Jun-2000			011139/0863	25-Sep-2000
6028200009	Nokia Networks OY	09/606,481	29-Jun-2000			011244/0702	13-Nov-2000
6028200010	Nokia Networks OY	09/607,072	29-Jun-2000			011311/0425	16-Nov-2000
6028200011	Nokia Networks OY	09/608,667	30-Jun-2000			011172/0193	10-Oct-2000
6028200012	Nokia Networks OY	09/608,945	30-Jun-2000			011315/0068	20-Nov-2000
6028200013	Nokia Networks OY	09/627,684	28-Jul-2000			011244/0712	13-Nov-2000
6028200014	Nokia Networks OY	09/688,627	16-Oct-2000			011779/0447	07-May-2001
6028200015	Nokia Networks OY	09/699,064	27-Oct-2000			011504/0930	06-Feb-2001
6028200016	Nokia Networks OY	09/741,135	18-Dec-2000			011746/0058	26-Apr-2001
6028200017	Nokia Networks OY	09/716,711	20-Nov-2000			011690/0418	06-Apr-2001
6028200018	Nokia Networks OY	09/717,535	21-Nov-2000			011727/0337	16-Apr-2001
6028200019	Nokia Networks OY	09/734,070	11-Dec-2000			011651/0746	22-Mar-2001
6028200020	Nokia Networks OY	09/748,505	26-Dec-2000			011690/0190	04-Apr-2001
6028200021	Nokia Networks OY	09/751,036	28-Dec-2000			011690/0200	06-Apr-2001
6028200022	Nokia Networks OY	09/792,499	23-Feb-2001			011818/0100	15-May-2001
6028200023	Nokia Networks OY	09/792,611	23-Feb-2001			011818/0003	15-May-2001
6028200024	Nokia Networks OY	09/824,938	03-Apr-2001			011940/0900	02-Jul-2001
6028200025	Nokia Networks OY	09/824,939	03-Apr-2001			011933/0169	29-Jun-2001
6028200026	Nokia Networks OY	09/825,898	04-Apr-2001			011980/0472	13-Jul-2001
6028200027	Nokia Networks OY	09/840,410	23-Apr-2001			012013/0448	27-Jul-2001

6028200028	Nokia Networks OY	09/843,193	26-Apr-2001			012029/0419	30-Jul-2001
6028200029	Nokia Networks OY	09/844,879	27-Apr-2001			012109/0258	24-Aug-2001
6028200030	Nokia Networks OY	09/846,987	01-May-2001			012063/0779	09-Aug-2001
6028200031	Nokia Networks OY	09/848,751	01-May-2001			012115/0141	27-Aug-2001
6028200032	Nokia Networks OY	09/860,190	17-May-2001			012139/0896	07-Sep-2001
6028200033	Nokia Networks OY	09/862,127	21-May-2001			012126/0362	31-Aug-2001
6028200034	Nokia Networks OY	09/862,715	22-May-2001			012118/0619	30-Aug-2001
6028200036	Nokia Networks OY	09/876,462	07-Jun-2001	6,493,564	10-Dec-2002	012267/0795	15-Oct-2001
6028200037	Nokia Networks OY	09/876,562	07-Jun-2001			012392/0045	26-Dec-2001
6028200038	Nokia Networks OY	09/888,660	25-Jun-2001			012799/0463	02-Apr-2002
6028200039	Nokia Networks OY	09/893,028	27-Jun-2001			012389/0384	26-Dec-2001
6028200040	Nokia Networks OY	09/901,814	10-Jul-2001			012523/0281	18-Oct-2001
6028200041	Nokia Networks OY	09/902,027	10-Jul-2001			013005/0284	18-Jun-2002
6028200042	Nokia Networks OY	09/903,901	12-Jul-2001			012398/0975	27-Dec-2001
6028200044	Nokia Networks OY	09/906,372	16-Jul-2001			012274/0073	15-Oct-2001
6028200045	Nokia Networks OY	09/906,377	16-Jul-2001			012920/0755	24-Jul-2002
6028200046	Nokia Networks OY	09/911,219	23-Jul-2001			012408/0257	31-Dec-2001
6028200047	Nokia Networks OY	09/920,362	01-Aug-2001			012455/0219	08-Jan-2002
6028200048	Nokia Networks OY	09/934,034	21-Aug-2001			012927/0111	28-May-2002
6028200049	Nokia Networks OY	09/947,677	06-Sep-2001			012489/0657	14-Jan-2002
6028200050	Nokia Networks OY	09/947,842	06-Sep-2001			012432/0828	04-Jan-2002
6028200051	Nokia Networks OY	09/949,949	10-Sep-2001			012457/0738	09-Jan-2002
6028200052	Nokia Networks OY	09/952,370	11-Sep-2001			012442/0651	07-Jan-2002
6028200053	Nokia Networks OY	09/954,363	17-Sep-2001			012457/0680	06-Nov-2001
6028200054	Nokia Networks OY	09/970,754	03-Oct-2001			012534/0187	28-Jan-2002
6028200055	Nokia Networks OY	09/970,757	03-Oct-2001			012675/0714	06-Mar-2002
6028200056	Nokia Networks OY	09/971,909	05-Oct-2001			012416/0761	03-Jan-2002
6028200057	Nokia Networks OY	09/977,899	09-Oct-2001			012480/0343	11-Jan-2002
6028200058	Nokia Networks OY	09/978,431	15-Oct-2001			012456/0473	09-Jan-2002
6028200059	Nokia Networks OY	09/999,569	01-Nov-2001			012558/0521	30-Jan-2002
6028200060	Nokia Networks OY	10/000,242	18-Oct-2001			012561/0125	28-Jan-2002
6028200062	Nokia Networks OY	10/002,242	23-Oct-2001			012566/0175	28-Jan-2002
6028200063	Nokia Networks OY	10/008,783	13-Nov-2001			012602/0196	11-Feb-2002
6028200064	Nokia Networks OY	10/013,098	06-Nov-2001			012624/0434	19-Feb-2002
6028200070	Nokia Networks OY	09/549,102	12-Apr-2000			011053/0893	22-Aug-2000



6028200071	Nokia Networks OY	09/607,065	29-Jun-2000				011139/0865	25-Sep-2000
6028200072	Nokia Networks OY	09/954,370	17-Sep-2001	6,501,957	31-Dec-2002		012427/0958	03-Jan-2002
6028200073	Nokia Networks OY	09/982,589	17-Oct-2001				012481/0584	10-Jan-2002
6028200075	Nokia Networks OY	09/638,677	15-Aug-2000				011317/0515	20-Nov-2000
6028200076	Nokia Networks OY	09/765,492	18-Jan-2001				011669/0081	30-Mar-2001
6028200077	Nokia Networks OY	09/757,873	19-Jan-2001				011609/0804	09-Mar-2001